

Susan Solomon

Ozone Hole Sleuth

1956 -

When a hole appeared in the ozone layer over Antarctica in the 1980s, Dr. Susan Solomon and her colleagues at the NOAA Aeronomy Laboratory (now the NOAA Chemical Sciences Division) wanted to know why. To solve the mystery, Solomon led two U.S. scientific expeditions to the frozen continent in 1986 and 1987. Her teams' observations supported her theory that chemical reactions of chlorine and icy clouds in the cold, polar stratosphere could be responsible for ozone losses during the Antarctic springtime.



preserveamerica.noaa.gov